

PATENT COOPERATION TREATY

PCT

08 DEC 2004

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference ---	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, Item 5 below.	
International application No. PCT/EP 02/ 04927	International filing date (day/month/year) 03/05/2002	(Earliest) Priority Date (day/month/year)
Applicant ANTEVISTA GMBH		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

1
☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 02/04927

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06F9/35 G06F9/45

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

INSPIC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	POSTIFF M ET AL: "The store-load address table and speculative register promotion" MICRO-33. PROCEEDINGS OF THE 33RD. ANNUAL ACM/IEEE INTERNATIONAL SYMPOSIUM ON MICROARCHITECTURE. MONTEREY, CA, DEC. 10 - 13, 2000, PROCEEDINGS OF THE ANNUAL ACM/IEEE INTERNATIONAL SYMPOSIUM ON MICROARCHITECTURE, LOS ALAMITOS, CA: IEEE COMP. SOC, US, 10 December 2000 (2000-12-10), pages 235-244, XP010528891 ISBN: 0-7695-0924-X	13
A	the whole document --- -/--	1

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

21 March 2003

Date of mailing of the international search report

01/04/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Klocke, L

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 02/04927

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	TOKUZO KIOHARA ET AL: "REGISTER CONNECTION: A NEW APPROACH TO ADDING REGISTERS INTO INSTRUCTION SET ARCHITECTURES" COMPUTER ARCHITECTURE NEWS, ASSOCIATION FOR COMPUTING MACHINERY, NEW YORK, US, vol. 21, no. 2, 1 May 1993 (1993-05-01), pages 247-256, XP000380371 ISSN: 0163-5964	13
A	the whole document ---	1
X	EP 0 767 424 A (IBM) 9 April 1997 (1997-04-09)	13
A	the whole document ---	1
A	EP 0 290 111 A (DATA GENERAL CORP) 9 November 1988 (1988-11-09) the whole document ---	1
A	EP 0 756 231 A (NIPPON ELECTRIC CO) 29 January 1997 (1997-01-29) the whole document ---	7-12
A	TRYGGVE FOSSUM ET AL: "DESIGNING A VAX FOR HIGH PERFORMANCE" COMPUTER SOCIETY INTERNATIONAL CONFERENCE (COMPCON). SPRING MEETING, LOS ALAMITOS, FEB. 26 - MAR. 2, 1990, LOS ALAMITOS, IEEE COMP. SOC. PRESS, US, vol. CONF. 35, 26 February 1990 (1990-02-26), pages 36-43, XP000146163 ISBN: 0-8186-2028-5 page 39, left column, last paragraph ---	1
A	HEGGY B ET AL: "ARCHITECTURAL SUPPORT FOR REGISTER ALLOCATION IN THE PRESENCE OF ALIASING" PROCEEDINGS OF THE SUPERCOMPUTING CONFERENCE. NEW YORK, NOV. 12 - 16, 1990, WASHINGTON, IEEE COMP. SOC. PRESS, US, vol. CONF. 3, 12 November 1990 (1990-11-12), pages 730-739, XP000269009 ISBN: 0-8186-2056-0 page 734 --- -/--	13

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 02/04927

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DIETZ H ET AL: "CREGS: A NEW KIND OF MEMORY FOR REFERENCING ARRAYS AND POINTERS" PROCEEDINGS OF THE SUPERCOMPUTING CONFERENCE. ORLANDO, NOV. 14 - 18, 1988, WASHINGTON, IEEE COMP. SOC. PRESS, US, vol. CONF. 1, 14 November 1988 (1988-11-14), pages 360-367, XP000187976 ISBN: 0-8186-8923-4 the whole document ---	1
A	LOZANO C L A ET AL: "EXPLOITING SHORT-LIVED VARIABLES IN SUPERSCALAR PROCESSORS" PROCEEDINGS OF THE 28TH. ANNUAL INTERNATIONAL SYMPOSIUM ON MICROARCHITECTURE. ANN ARBOR, NOV. 29 - DEC. 1, 1995, PROCEEDINGS OF THE ANNUAL INTERNATIONAL SYMPOSIUM ON MICROARCHITECTURE, LOS ALAMITOS, IEEE COMP. SOC. PRESS, US, vol. SYMP. 28, 29 November 1995 (1995-11-29), pages 292-302, XP000585373 ISBN: 0-8186-7349-4 the whole document -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 02/04927

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0767424	A	09-04-1997	US 5860138 A	12-01-1999
			DE 69620702 D1	23-05-2002
			EP 0767424 A2	09-04-1997
			JP 9171461 A	30-06-1997
<hr/>				
EP 0290111	A	09-11-1988	AT 52145 T	15-05-1990
			AT 99066 T	15-01-1994
			AT 97752 T	15-12-1993
			AU 556499 B2	06-11-1986
			AU 8017882 A	25-11-1982
			DE 3280152 D1	23-05-1990
			DE 3280446 D1	05-01-1994
			DE 3280446 T2	11-05-1994
			DE 3280449 D1	03-02-1994
			DE 3280449 T2	11-05-1994
			EP 0067556 A2	22-12-1982
			EP 0290111 A2	09-11-1988
			EP 0300516 A2	25-01-1989
			JP 6324948 A	25-11-1994
			JP 2013711 C	02-02-1996
			JP 7046316 B	17-05-1995
			JP 57197652 A	03-12-1982
			JP 8263284 A	11-10-1996
			JP 8278917 A	22-10-1996
			JP 8263305 A	11-10-1996
			US 4656579 A	07-04-1987
<hr/>				
EP 0756231	A	29-01-1997	JP 3060907 B2	10-07-2000
			JP 9044363 A	14-02-1997
			EP 0756231 A1	29-01-1997
			US 6029003 A	22-02-2000
<hr/>				